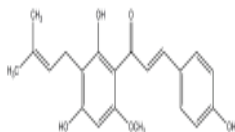


PRODUCT: Xanthohumol**ALTERNATE NAME:** (2E)-1-[2,4-Dihydroxy-6-methoxy-3-(3-methyl-2-buten-1-yl)phenyl]-3-(4-hydroxyphenyl)- 2-propen-1-one; XN**CATALOG #:** 2258-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₁H₂₂O₅**MOLECULAR WEIGHT:** 354.40**CAS NUMBER:** 6754-58-1**APPEARANCE:** Yellow solid**SOLUBILITY:** DMSO (~35 mg/ml) or Ethanol (~ 35 mg/ml)**PURITY:** ≥98% by TLC**STORAGE:** At -20°C. Protect from light and moisture**DESCRIPTION:** Cell-permeable. A bioactive flavonoid antioxidant found in the flowering hops plant. Binds to the N-terminal domain of valosin-containing protein (VCP), an essential protein for autophagosome maturation. Xanthohumol inhibits the function of VCP thereby impairing autophagosome maturation and resulting in accumulation of the microtubule-associated protein 1 light chain 3-II (LC3-II). Impairs prostate cancer cell growth and proliferation.**REFERENCE:** Sasazawa, Y., *et al.* (2012). *ACS Chem. Biol.* **7**, 892-900.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**Amiodarone Hydrochloride (**Cat. No. 1828-100, 500**)ATM Kinase Inhibitor, KU-55933 (**Cat. No. 1685-5**)Bafilomycin A1 (**cat. No. 1829-50, 250**)Chloroquine diphosphate (**Cat. No. 1825-100, 500**)**Dorsomorphin (Cat. No. 1686-5)**Go6976 (**Cat. No. 1711-500**)EZSolution™ **Go6976 (Cat. No. 1785-500)**3-Methyladenine (**Cat. No. 2249-25, 100**)SMER28 (**Cat. No. 1856-5, 25**)Spautin-1 (**Cat. No. 2037-5, 25**)**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**